

MORNING DRILLING REPORT

SOUTHWIND DRILLING, INC.
RIG No. 2

For: K&N Petroleum, Inc.

Well Name: Snell Trust #1
Location: 1415' FNL & 1011' FWL
Section: 9-20S-10W
County: Rice
API: 15-159-22755-00-00

Elevation GL: 1807'
KB: 1816'
Est. TD: 3500'
Conductor: N/A

Rig No. 2 (Pusher Bill Sanders) 620 617-0706
Rig No. 2 (Doghhouse) 620 617-5921
Southwind Drilling Office 620 564-3800

Surface Casing: Ran 9 joints of new 23#, 8 5/8" casing, Tally @ 374', Set @ 384', used 275 sacks of 60/40, 3% cc, 2% gel, cement circulated, by Copeland (Ticket # _____) plug down @ 8:30 am on 10.29.13.

Plugging Info: Plugged well with 215 sacks of 60/40 Poz, 4% gel, 1st plug @ 3404' w/ 35 sacks, 2nd plug @ 1300' w/ 35 sacks, 3rd plug @ 900' w/ 35 sacks, 4th plug @ 435' w/ 35 sacks, 5th plug @ 60' w/ 25 sacks, 30 sacks for Rat hole, 20 sacks for Mouse hole, cemented by Copeland (Ticket # C41894), job complete @ 7:15 pm on 11.03.13.



Rotary Total Depth: 3415'
Log Total Depth: N/A

Geologist: Jim Minsgrove

7:00 A.M. Depth: 3415'

7:00 A.M. Current Operation: TEAR DOWN

Spud Date & Time:	10/28/13	10/29/13	10/30/13	10/31/13	11/01/13	11/02/13	11/03/13	Total
10/29/2013 @ 12:30 AM	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	
Total Depth (7:00am)	0	385	1360	2325	2961	3391	3415	
Daily Progress	385	975	965	636	430	24	0	3415
Ft. Per Hr.	90.59	118.18	53.61	37.41	21.50	19.20	0.00	49.67
Current Operation (7:00am)	Rig Up	Run Casing	Drilling	Drilling	Drilling	Drilling	DST #2	
Formation	Surface	Surface	Lime / Shale	Lime / Shale	Lime / Shale	KC	Arbuckle	
Fuel Used (34.5 Gall/inch)	136.00	103.50	345.00	345.00	414.00	172.50	34.50	1552.50
Survey (degree & depth)	1° @ 385'					1° @ 3391'		

Mud Cost	\$0.00	\$0.00	\$0.00	\$5,623.80	\$437.40	\$0.00		\$6,061.20
Weight (# / Gall)				8.8	9.6			
Vis (Funnel)				48	46			
Water Loss (cc)								

Bit #1	Reed							
Bit Size	12 1/4							
Bit Hours	4.25							4.25

Bit #2								
Bit Make / Type	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q		
Bit Size	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8		
Bit Hours	8.25	18.00	17.00	20.00	1.25	0.00		64.50
Bit Cumulative Hours	4.25	8.25	18.00	17.00	20.00	1.25		68.75

Weight on Bit (WOB)	10,000	15,000	25,000	30,000	32,000	35,000		
RPM	120	80	80	80	80	80		
Pump Pressure	500	750	800	900	900	900		
Drilling (Rotating) Hours	4.25	8.25	18.00	17.00	20.00	1.25	0.00	68.75

	Daywork Hrs. (Operator's time)							
Rat Hole (>.75 Hrs)								0.00
Wait on Cement		8.00						8.00
Trip								12.00
Circulate				1.75				6.50
Tool					2.00			2.00
Testing					4.25			4.25
Wait on Tester					1.25			1.25
Clean Floor								0.00
LDDP & LDDC / Plug well						7.50		7.50
Wait on Orders						0.75		0.75
Run Casing / Cement		1.50				0.50		2.00
Nipple Down / Jet Cellar						1.00		1.00
Set Slips							1.00	1.00
Billable Hours	0.00	9.50	0.00	0.00	1.75	21.50	12.50	45.25

	Non-Billable Hours (Southwind's time)							
Rig Up / Rig Down	17.00							20.25
Wait on Cement (if NC)								0.00
Trip Time for Hole in Pipe								0.00
Drill Rat Hole (<.75 hrs)	0.50							0.50
Drill Plug		0.50						0.50
Circulate (NB)	0.50			0.50				0.50
Circulate / Trip (Surface)								0.50
Rig Repair		1.50	2.00	1.75	0.25	0.75		6.25
Connections	1.25	2.00	2.25	1.50	1.25			8.25
Jet/Displace	0.25	0.50	1.00	2.00				3.75
Surveys	0.25				0.25			0.50
Rig Check		0.25	0.75	0.50	0.75	0.25		2.50
Wait on Water		1.50						1.50
Trip Time for Repairs				0.75				0.75
Lost Circulation (< 2 hrs)								0.00
Lay Down Kelly / RH								0.25
Non-Billable Hrs.	19.75	6.25	6.00	7.00	2.25	1.25	3.50	46.00

Footage Cost	\$ 5,390.00	\$ 13,650.00	\$ 13,510.00	\$ 8,904.00	\$ 6,020.00	\$ 210.00	\$ -	\$ 47,684.00
Daywork Cost	\$ -	\$ 3,325.00	\$ -	\$ -	\$ 612.50	\$ 7,525.00	\$ 4,375.00	\$ 15,837.50
Combined Est. Cost*	\$ 5,390.00	\$ 16,975.00	\$ 13,510.00	\$ 8,904.00	\$ 6,632.50	\$ 7,735.00	\$ 4,375.00	\$ 63,521.50

*Please note that this is estimated footage & daywork cost only. Additional charges will apply on invoice (fuel surcharge, water transfer pump, etc)

DST #1 Info -	DST #2 Info -
Footage Interval: 3333' - 3391'	Footage Interval: 3384' - 3415'
Recovery: 5' Mud	Recovery: 265' Muddy Water

Anhydrite @ 505' - 532' Displaced @ 2547' Arbuckle @ 3404'